

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/EP2004/007155

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L25/03

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 139 619 A (LUCENT) 4 October 2001 (2001-10-04) cited in the application paragraph '0002! paragraph '0014! paragraph '0017!	1,21
X	HAUNSTEIN ET AL.: "Design of near optimum electrical equalizers for optical transmission in the presence of PMD" OPTICAL FIBER COMMUNICATION CONFERENCE, vol. 1 OF 4, 17 March 2001 (2001-03-17), - 22 March 2001 (2001-03-22) pages WAA4-1-WAA4-3, XP010546449 figure 1	1,21 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

3 December 2004

Date of mailing of the International search report

13/12/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Scriven, P

**INTERNATIONAL SEARCH REPORT**International Application No  
PCT/EP2004/007155**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 313 495 A (YOUNGKY KIM) 17 May 1994 (1994-05-17) cited in the application column 2, line 31 – line 43 -----	1,21
A	US 5 263 053 A (YONGBING WAN ET AL.) 16 November 1993 (1993-11-16) cited in the application abstract -----	1,21

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/007155

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1139619	A	04-10-2001	EP	1139619 A1		04-10-2001
US 5313495	A	17-05-1994	NONE			
US 5263053	A	16-11-1993	CA	2092240 A1		25-09-1993